91-05778/

1 9 9 0
ANNUAL REPORT

TABLE OF CONTENTS

		PAGE
I	1990 Annual Fire Loss Summary	1
II	Association and Committee Memberships	2
III	Fire Prevention, Fire Training	3
IV	Inspections, Investigations, Property Losses, Fire Deaths, Fire Injuries	4
V	New Apparatus and Firehall Facilities, Plan Review, Office of the Fire Marshal's Initiatives	5-6
VI	Fire Loss By Occupancy - 1990 Fire Loss By Igniting Object - 1990	7
VII	Fire Loss By Act or Omission - 1990 Comparison of Value of Fire Losses - 1990	8
VIII	Fire Injuries - 1990, Fire Deaths - 1990	9
IX	Fire Injuries 1986 To 1990, Fire Deaths 1986 To 1990 GRAPHS - Fire Deaths & Injuries - 1986 To 1990	10
X	Total Annual Fire Loss 1986 To 1990 GRAPHS - Number of Fires & Total Dollar Loss 1986 - 1990	11
XI	Arson, Suspicious, Mischief Fires	12
XII	Fire Losses By Region - 1990	13
XIII	Regional Communities	14
XIV	Fire Losses By Community	15-27
XV	Fire Services in Communities	28-42
XVI	Northwest Territories Annual Fire Loss Summary for the Fire Commissioner of Canada	43
XVII	Fires Under Specific Code: Property Classification	44A-D
XVIII	Fires Under Specific Code: Igniting Object	45A-D
XIX	Fires Under Specific Code: Act Or Omission	46A-D
XX	List of Fire Losses $500,000 or Over	47

1990 ANNUAL FIRE LOSS SUMMARY

NORTHWEST TERRITORIES

Population:	**54,300**	
Number of Fires:	**184**	
Dollar Loss:	**$7,010,155**	
Deaths:	**4**	
Injuries:	**25**	
Death Rate Per Capita:		**7.37**
Dollar Loss Per Capita:		**$129.10**

ASSOCIATION AND COMMITTEE MEMBERSHIPS

1. Association of Canadian Fire Marshal's and Fire Commissioners
2. Canadian Association of Fire Chiefs
3. Canadian Association of Arson Investigators
4. Fire Council - Underwriters Laboratories of Canada
5. Fire Council - Canadian Gas Association
6. Fire Council - Warnock Hersey Professional Services
7. Fire Council - Canadian Standards Board
8. Fire Marshal's Association of North America
9. International Association of Fire Marshals
10. International Association of Arson Investigators
11. National Fire Protection Association
12. National Research Council of Canada
13. National Task Force on Aboveground Petroleum Storage Tanks
14. National Task Force on Underground Petroleum Storage Tanks
15. Northwest Territories Fire Chiefs and Firefighters Association
16. Provincial Advisory Committee on National Building Code
17. Provincial/Territorial Committee on National Building Code

FIRE PREVENTION

The "Learn Not To Burn" program was introduced to teachers in 1990. Preliminary support for the program was received from school boards throughout the Northwest Territories. During the upcoming years the "Learn Not To Burn" program will become an integral component of the Fire Marshal's fire prevention mandate.

The request for audio visual materials remained high during 1990. The Office of the Fire Marshal has initiated a program whereby audio visual resources are available in multiple formats. Several new additions were made to the audio visual library in an ongoing effort to maintain current and updated fire prevention resources.

"Fire Prevention Week 1990" was observed by holding a territorial wide fire prevention contest aimed at over 12,000 school children from Kindergarten to Grade 8. The contest focus was on the completion of home fire escape plans. Corporate sponsorship saw students of the winning school receive a complimentary lunch and a visit by Ronald MacDonald and Sparky.

Introduction of noon-hour fire prevention presentations on a twice monthly basis were initiated during 1990. As a result of these presentations the public obtained information on a wide variety of fire prevention subjects.

Students and members of the general public were subjected to a variety of fire prevention programming during 1990. In total 1,496 persons received greater fire safety awareness training.

Identification by the the Office of the Fire Marshal of specific fire problems in the Northwes Territories saw the production of a fire safety video entitled, "No More Fires". The ten-minute video was distributed to all schools in the Territories and has been broadcast on public and community television. The film was produced in English, in the Inuktitut dialect for the Baffin, Keewatin and Central Arctic and Inuktitut with English sub-titles.

A new "Fireworks Regulation" was introduced in 1990. The regulation specifically prohibits the possession, storage, sale or use of fireworks without the express consent of the Fire Marshal or his representative. The regulation governs all low hazard recreational fireworks including toy rocket engines and sparklers.

An increase in the number of propane abuse incidents during 1990 has led to the development of a "Propane Storage Regulation" and the planned production of a public information video outlining the dangers of propane abuse.

FIRE TRAINING

Three hundred sixty-seven (367) firefighters received training during 1990. Training allowed firefighters to enhance previous skill levels and learn new techniques. Program delivery in basic firefighting skills, incident command and fire investigation formed the primary focus in program delivery.

Day care operators, institutional employees and professional tradespersons also received specialized training during 1990. These included courses in fire prevention, fire suppression and fire alarm installation.

The establishment of a comprehensive fire training plan inclusive of regionalized fire training centres remained a high priority with the Fire Marshal's Office during 1990.

INSPECTIONS

The Office of the Fire Marshal conducted 1,561 fire inspections during 1990.

Fire inspections were conducted on all classifications of buildings and included general fire safety inspections, inspection of new construction, change of occupancy inspections, retrofit and upgrading inspections and inspections of remote outpost and tourist accommodation facilities. Inspections were also completed as part of preliminary procedures preceding the issuance of eleven Fire Marshal Orders during 1990, directing the demolition of structures posing a hazard to the safety of the general public.

Closure orders on properties in 1990 included a hotel, and a residential apartment building.

INVESTIGATIONS

The Office of the Fire Marshal conducted 32 special fire investigations during 1990.

Investigative results show that arson contributed to 14.67% of all fires in the Northwest Territories. This is a decrease of 48.39% over 1989.

Investigations conducted of fatality fires showed one person dying as a result of carbon monoxide poisoning due to a burning air compressor contaminating the atmosphere in an underground mine, two persons dying as a result of accidentally igniting flammable vapours while sniffing propane and one person dying as a result of a fire caused by fireplay.

The primary cause of fire deaths and injuries in the Northwest Territories during 1990 was carelessness and child fireplay. Alcohol abuse continues to be a contributing factor.

PROPERTY LOSSES

Property losses due to fire during 1990 remained high with a final loss of $7,010,155. A new reporting procedure that places greater emphasis on the Royal Canadian Mounted Police has succeeded in increasing the accuracy of the reporting procedure. This increased accuracy reflects the real fire losses in the Northwest Territories.

FIRE DEATHS AND INJURIES

The number of fire deaths in 1990 remained consistent with that of 1989 with a total of four recorded deaths. All deaths were accidental. The fire death rate for 1990 was 7.37 per 100,000 population.*

Fires caused injury to 25 persons during 1990. Nine of these injuries were the result of ignition of flammable vapours during propane sniffing activity.

---

*Population: 54,300 Source: Statistics Canada, Demography Division

NEW FIRE APPARATUS & FIREHALL FACILITIES

The accepted fire apparatus standard in the Northwest Territories provides for a base design 625 gpm Front Mount, 1000 gallon, four wheel drive, automatic transmission, Class A pumper.

Fire apparatus delivery during 1990 saw delivery of a single pumper to Hay River Indian Reserve.

A pre-engineered firehall design remains the primary firehall for Northwest Territories communities. During 1990 the communities of Fort Norman, Enterprise, Baker Lake and Rankin Inlet received new firehalls. The basic firehall design consists of two bays, a training area, fire chief's office, washroom, equipment storage area and mechanical room.

PLAN REVIEW

Five Hundred and sixty (560) building plans were reviewed during 1990.

The Office of the Fire Marshal reviews all building plans inclusive of single family residences constructed by the NWT Housing Corporation. Single family residence plans constructed by private individuals are not subject to review.

The Office of the Fire Marshal co-ordinates the review process by ensuring that plans are forwarded to the Electrical, Boiler and Gas sections of the Department of Safety & Public Services for their respective reviews.

In addition to building structure plans the Office of the Fire Marshal also reviews plans pertaining to fire alarm systems, fuel tank farm installations, sprinkler systems, remote building site proposals, water distribution systems and plans for underground petroleum storage tank sites.

Upgrades saw the installation of new fire alarm systems, sprinkler systems and the correction of identified fire safety deficiencies throughout the North. Voluntary sprinklering of buildings by Northwest Territories (NWT) building owners reached a record high during 1990.

Code compliance is ensured through the use of the following reference documents:

- National Building Code of Canada 1990
- National Fire Code of Canada 1990
- National Fire Protection Association Fire Codes
- National Standards System including Underwriters Laboratories of Canada (ULC), Canadian Standards Association (CSA), Canadian Gas Association (CGA), Canadian General Standards Board (CGSB) and Warnock Hersey Professional Services
- Northwest Territories Fire Prevention Act

FIRE MARSHAL'S OFFICE INITIATIVES

The Office of the Fire Marshal undertook and completed the following initiatives during 1990:

- adoption of "Fireworks Regulation"
- development of "Propane Storage Regulation"
- production and distribution of Fire Safety Video - "No More Fires"

- implementation of noon hour public fire safety presentations
- production and distribution of Fire Safety Calendar "Fire Is A Tool - Not A Toy"
- initiation of "Learn Not To Burn" program - familiarization and distribution of "Learn Not To Burn" materials to Northwest Territories school teachers
- "Fire Prevention Week" contest featuring personal appearance by Ronald MacDonald and Sparky
- registration program development and distribution of registration packages for underground fuel tank facilities
- development and distribution of translated versions of selected NFPA fire safety pamphlets
- fire alarm upgrade program for existing buildings
- development of building maintainers hand-out on fire safety
- development of "Local Assistant's Handbook"
- distribution of "Fire Incident Report Form" to police agencies in order to obtain immediate fire loss data
- continuing initiative as committee member investigating mandatory "Sprinkler Legislation" for the Northwest Territories
- development of "Aircraft Crash/Rescue" manual for small airports and single apparatus response.

FIRE LOSSES BY OCCUPANCY - 1990

OCCUPANCY	NUMBER OF FIRES	DOLLAR LOSS	PERCENT OF TOTAL
Assembly	9	961,846	4.89%
Institution	0	0	0.00%
Residential	74	3,209,240	40.22%
Business & Personal Services	7	171,525	3.80%
Mercantile	8	46,600	4.35%
Industrial/Manufacturing	2	14,600	1.09%
Storage Properties	15	1,624,991	8.15%
Special Prop-Transport Equipt	63	954,408	34.24%
Miscellaneous Properties	6	27,545	3.26%
TOTAL	**184**	**7,010,155**	**100.00%**

FIRE LOSSES BY IGNITING OBJECT - 1990

IGNITING OBJECT	NUMBER OF FIRES	DOLLAR LOSS	PERCENT OF TOTAL
Cooking Equipment	10	164,300	5.43%
Heating Equipment	32	993,798	17.39%
Appliances and Equipment	8	193,700	4.35%
Electrical Distribution Equipt	35	1,580,800	19.02%
Other Electrical Equipment	2	2,250	1.09%
Smokers' Material/Open Flame	52	1,433,297	28.26%
Exposure	3	267,000	1.63%
Miscellaneous	11	762,622	5.98%
No Igniting Object	0	0	0.00%
Undetermined	31	1,612,388	16.85%
TOTAL	**184**	**7,010,155**	**100.00%**

FIRE LOSSES BY ACT OR OMISSION - 1990

ACT OR OMISSION	NUMBER OF FIRES	DOLLARS LOSS	PERCENT OF TOTAL
Arson, Suspicious, Mischief	27	794,856	14.67%
Misuse of Source of Ignition	40	1,217,686	21.73%
Misuse of Material Ignited	28	959,320	15.22%
Mechanical/Electrical Failure/ Malfunction	36	1,623,157	19.57%
Construction /Design/ Installation Deficiency	8	83,900	4.35%
Misuse of Equipment	12	382,125	6.52%
Human Failing	5	171,300	2.72%
Vehicle Accident	0	0	0.00%
Unclassified	28	1,777,811	15.22%
TOTAL	**184**	**7,010,155**	**100.00%**

COMPARISON OF VALUE OF FIRE LOSSES - 1990

RANGE - DOLLAR LOSS	NUMBER OF FIRES
Less than 1,000	71
1,000 to 9,999	48
10,000 to 49,999	34
50,000 to 99,999	9
100,000 to 249,999	15
More than 250,000	7
TOTAL	**184**

FIRE INJURIES - 1990

DATE	COMMUNITY	CAUSE OF FIRE	M	F	C	TOTAL
Jan 27	Norman Wells	Boiler	2			2
Jan 28	Arviat	Furnace			1	1
Mar 17	Iqaluit	Candle	1			1
Apr 01	Tuktoyaktuk	Fighting Fire	1			1 FF
Apr 04	Yellowknife	Unknown	1			1
May 14	Baker Lake	Propane - Smoking	3			3
May 15	Pond Inlet	Naptha Gas - Suicide	1			1
Jul 24	Yellowknife	Electrical	1	1	1	3
Sep 03	Cambridge Bay	Propane - Smoking			3	3
Sep 09	Cambridge Bay	Cigarettes	1			1
Sep 13	Yellowknife	Compressor	3			3
Oct 5	Nanisivik	Candle	1			1
Nov 07	Iqaluit	Naptha Gas	1			1
Nov 17	Yellowknife	Electrical	1			1
Dec 20	Fort Norman	Lighter-Child Fireplay			2	2
		TOTAL	17	1	7	25

FIRE DEATHS - 1990

DATE	COMMUNITY	CAUSE OF FIRE	M	F	C	TOTAL
Sept 03	Cambridge Bay	Propane - Smoking			2	2
Sept 13	Yellowknife	Overheated due to lack of oil in air compressor	1			1
Dec 20	Fort Norman	Lighter-Child Fireplay			1	1
		TOTAL	1		3	4

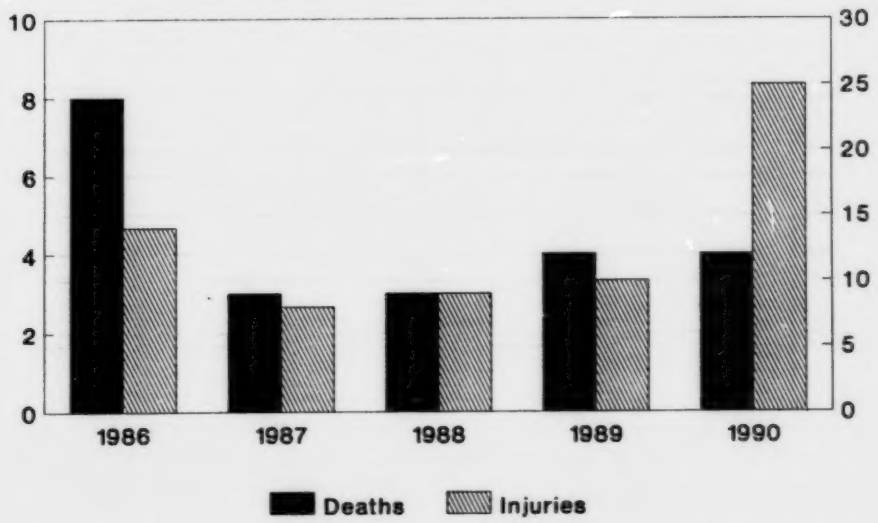
FIRE INJURIES 1986 TO 1990

YEAR	MALE	FEMALE	CHILDREN	FIRE FIGHTERS	TOTAL
1990	13	1	10	1	25
1989	7	1	2	0	10
1988	7	2	0	0	9
1987	5	3	0	0	8
1986	5	4	1	4	14

FIRE DEATHS 1986 TO 1990

YEAR	MALE	FEMALE	CHILDREN	FIRE FIGHTERS	TOTAL
1990	1	0	3	0	4
1989	3	1	0	0	4
1988	2	1	0	0	3
1987	2	1	0	0	3
1986	4	2	2	0	8

DEATHS AND INJURIES 1986 TO 1990

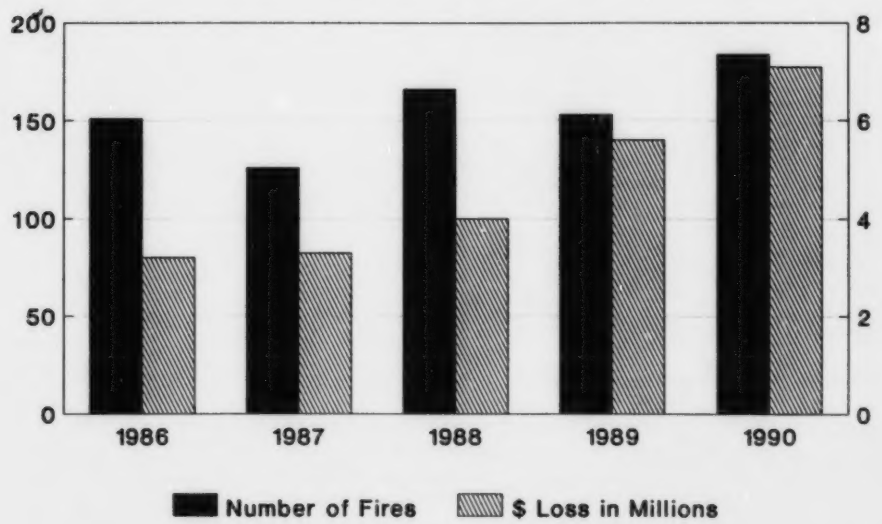


TOTAL ANNUAL FIRE LOSSES 1986 TO 1990

YEAR	NUMBER OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL LOSS
1990	184	6,200,210	809,945	7,010,155
1989	153	4,751,696	823,275	5,574,971
1988	166	3,374,948	561,045	3,935,993
1987	126	2,059,594	1,288,540	3,348,134
1986	151	2,040,856	1,109,130	3,149,986

NUMBER OF FIRES AND TOTAL DOLLAR LOSSES

1986 - 1990



ARSON, SUSPICIOUS, MISCHIEF FIRES - 1990

COMMUNITY	DOLLAR LOSS	PROSECUTION	CONVICTIONS
Fort McPherson	152,000	None	None
Fort Simpson	500	None	None
Fort Simpson	500	None	None
Fort Simpson	7,000	None	None
Fort Smith	30,000	None	None
Iqaluit	300	None	None
Iqaluit	7,000	None	None
Iqaluit	1,500	None	None
Lake Harbour	186	Under Investigation	Under Investigation
Norman Wells	12,000	None	None
Pond Inlet	210,000	None	None
Pond Inlet	75	None	None
Tuktoyaktuk	100	None	None
Tuktoyaktuk	15,000	None	None
Tuktoyaktuk	3,000	None	None
Tuktoyaktuk	2,000	None	None
Tuktoyaktuk	1,000	None	None
Yellowknife	300,795	None	None
Yellowknife	800	None	None
Yellowknife	2,000	None	None
Yellowknife	500	None	None
Yellowknife	1,000	None	None
Yellowknife	100	None	None
Yellowknife	31,000	None	None
Yellowknife	500	None	None
Yellowknife	3,000	None	None
Whale Cove	15,000	Under Investigation	Under Investigation

FIRE LOSSES BY REGION - 1990

CLASS	FT. SMITH $$ LOSS	#	INUVIK $$ LOSS	#	KITIK. $$ LOSS	#	KEEWAT. $$ LOSS	#	BAFFIN $$ LOSS	#	TOTAL $$ LOSS	#
NWTHC	143,826	3	361,000	6	0	2	382,400	5	511,375	14	**1,398,601**	**30**
GNWT	349,795	5	180,950	4	150	3	755,000	2	168,750	7	**1,454,645**	**21**
FED. PROPS.	0	0	0	0	0	0	0	0	0	0	**0**	**0**
PRIVATE OTHERS	2,068,995	90	1,691,200	15	255,900	6	96,208	9	44,606	13	**4,156,909**	**133**
TOTAL	**2,562,616**	**98**	**2,233,150**	**25**	**256,050**	**11**	**1,233,608**	**16**	**724,731**	**34**	**7,010,155**	**184**
INJURY		**8**		**5**		**4**		**4**		**4**		**25**
DEATHS		**1**		**1**		**2**		**0**		**0**		**4**

REGIONAL COMMUNITIES

FORT SMITH REGION

1. Dettah
2. Edzo
3. Enterprise
4. Fort Liard
5. Fort Providence
6. Fort Resolution
7. Fort Simpson
8. Fort Smith
9. Hay River
10. Jean Marie River
11. Kakisa
12. Lac La Martre
13. Nahanni Butte
14. Rae
15. Rae Lakes
16. Snowdrift
17. Trout Lake
18. Wrigley
19. Yellowknife

BAFFIN REGION

1. Arctic Bay
2. Broughton Island
3. Cape Dorset
4. Clyde River
5. Iqaluit
6. Grise Fiord
7. Hall Beach
8. Igloolik
9. Lake Harbour
10. Nanisivik
11. Pangnirtung
12. Pond Inlet
13. Resolute Bay
14. Sanikiluaq

INUVIK REGION

1. Aklavik
2. Arctic Red River
3. Colville Lake
4. Fort Franklin
5. Fort Good Hope
6. Fort McPherson
7. Fort Norman
8. Inuvik
9. Norman Wells
10. Paulatuk
11. Sachs Harbour
12. Tuktoyaktuk

KEEWATIN REGION

1. Arviat
2. Baker Lake
3. Chesterfield Inlet
4. Coral Harbour
5. Rankin Inlet
6. Repulse Bay
7. Whale Cove

KITIKMEOT REGION

1. Cambridge Bay
2. Coppermine
3. Gjoa Haven
4. Holman
5. Pelly Bay
6. Spence Bay

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $$ LOSS
Aklavik	1990	1	750,000	0	750,000
	1989	0	0	0	0
	1988	1	0	3,000	3,000
	1987	5	15,000	193,000	208,000
	1986	1	0	80,000	80,000
Arctic Red River	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	1	3,416	66,584	70,000
Arctic Bay	1990	0	0	0	0
	1989	0	0	0	0
	1988	1	0	285	285
	1987	0	0	0	0
	1986	1	70,000	10,000	80,000
Arviat	1990	4	8,500	10,250	18,750
	1989	0	0	0	0
	988	2	0	1,530	1,530
	1987	7	145,115	5,128	150,243
	1986	6	85,354	24,000	109,354
Bathurst Inlet	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $ LOSS
Bay Chimo	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Baker Lake	1990	3	165,000	50,000	215,000
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	1	0	0	0
Broughton Island	1990	3	22,025	0	22,025
	1989	0	0	0	0
	1988	0	0	0	0
	1987	1	18,548	0	18,548
	1986	1	750	0	750
Cape Dorset	1990	0	0	0	0
	1989	0	0	0	0
	1988	1	50,000	0	50,000
	1987	0	0	0	0
	1986	1	0	140,000	140,000
Cambridge Bay	1990	3	0	0	0
	1989	4	182,000	0	182,000
	1988	4	0	1,700	1,700
	1987	2	148,100	174,000	322,100
	1986	2	0	8,500	8,500

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $ LOSS
Chesterfield Inlet	1990	2	225,000	0	225,000
	1989	0	0	0	0
	1988	1	0	100	100
	1987	0	0	0	0
	1986	0	0	0	0
Clyde River	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	1	0	112	112
	1986	1	0	800	800
Colville Lake	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Coral Harbour	1990	1	900	0	900
	1989	1	210,000	0	210,000
	1988	1	15,000	0	15,000
	1987	0	0	0	0
	1986	1	0	0	0
Coppermine	1990	5	252,000	0	252,000
	1989	1	0	100,000	100,000
	1988	1	2,000	0	2,000
	1987	3	0	0	0
	1986	4	0	3,300	3,300

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $ LOSS
Dettah	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Edzo	1990	1	11,250	0	11,250
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Enterprise	1990	0	0	0	0
	1989	1	10,000	0	10,000
	1988	0	0	0	0
	1987	0	0	0	0
	1986	1	0	41,500	41,500
Fort Franklin	1990	0	0	0	0
	1989	0	0	0	0
	1988	4	951	7,000	7,951
	1987	0	0	0	0
	1986	0	0	0	0
Fort Good Hope	1990	1	0	100	100
	1989	1	0	0	0
	1988	0	0	0	0
	1987	1	0	12,700	12,700
	1986	5	2,500	3,600	6,100

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $ LOSS
Fort Liard	1990	0	0	0	0
	1989	1	10,000	0	10,000
	1988	1	0	2,700	2,700
	1987	3	0	3,000	3,000
	1986	2	0	0	0
Fort McPherson	1990	1	0	152,000	152,000
	1989	1	0	1,300	1,300
	1988	2	0	6,400	6,400
	1987	1	0	300	300
	1986	2	134,150	1,300	135,450
Fort Norman	1990	3	13,000	15,000	28,000
	1989	2	295,000	0	295,000
	1988	0	0	0	0
	1987	0	0	0	0
	1986	2	0	30,000	30,000
Fort Providence	1990	8	124,000	270,250	394,250
	1989	3	24,300	0	24,300
	1988	3	29,250	4,000	33,050
	1987	0	0	0	0
	1986	1	80,000	0	80,000
Fort Reliance	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $ LOSS
Fort Resolution	1990	3	0	50,200	50,200
	1989	2	0	0	0
	1988	1	60,000	0	60,000
	1987	1	3,500	0	3,500
	1986	1	0	0	0
Ft. Simpson	1990	8	47,909	12,500	60,409
	1989	2	0	0	0
	1988	4	180,700	2,300	183,000
	1987	2	0	1,200	1,200
	1986	4	200	1,400	1,600
Fort Smith	1990	5	32,802	59,000	91,802
	1989	4		12,530	12,530
	1988	7	10,024	20,500	30,524
	1987	4	11,742	35,000	46,742
	1986	7	33,880	6,200	40,080
Grise Fiord	1990	0	0	0	0
	1989	1	14,500	0	14,500
	1988	0	0	0	0
	1987	1	14,500	41,000	55,500
	1986	0	0	0	0
Gjoa Haven	1990	2	1,000	150	1,150
	1989	2	0	0	0
	1988	4	180,700	2,300	183,000
	1987	2	0	1,200	1,200
	1986	4	200	1,400	1,600

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $ LOSS
Hall Beach	1990	0	0	0	0
	1989	0	0	0	0
	1988	1	0	125,000	125,000
	1987		0	0	0
	1986	0	0	0	0
Hay River	1990	14	144,153	67,000	211,153
	1989	16	244,871	18,500	263,371
	1988	18	10,100	29,600	39,700
	1987	14	73,200	82,500	155,700
	1986	3	0	50,400	50,400
Holman Island	1990	1	0	2,900	2,900
	1989	1	0	0	0
	1988	1	0	50,000	50,000
	1987	1	0	15,000	15,000
	1986	1	0	5,000	5,000
Igloolik	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	1	0	0	0
Inuvik	1990	6	324,000	34,500	358,500
	1989	21	277,000	446,400	723,400
	1988	20	113,900	28,600	142,500
	1987	10	1,133,212	5,250	1,138,462
	1986	17	12,450	71,867	84,317

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $ LOSS
Iqaluit	1990	19	58,900	12,995	71,895
	1989	16	20,000	63,725	83,725
	1988	20	16,000	51,000	67,000
	1987	14	1,000	213,450	214,450
	1986	14	100,300	67,970	168,270
Jean Marie River	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Kakisa Lake	1990	0	0	0	0
	1989	1	1,000,000	0	1,000,000
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Lac La Martre	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Lake Harbour	1990	1	186	0	186
	1989	2	500	0	500
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $ LOSS
Nanisivik	1990	1	1,200	0	1,200
	1989	3	0	6,500	6,500
	1988	2	2,500	0	2,500
	1987	0	0	0	0
	1986	1	0	0	0
Nahanni Butte	1990	1	7,000	0	7,000
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Norman Wells	1990	2	512,000	0	512,000
	1989	4	300,000	6,000	306,000
	1988	3	8,600	0	8,600
	1987	5	0	250,000	250,000
	1986	9	213,946	168,139	382,085
Paulatuk	1990	0	0	0	0
	1989	2	18,000	0	18,000
	1988	1	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Pangnirtung	1990	6	112,500	2,850	115,350
	1989	3	0	5,900	5,900
	1988	7	113,000	4,250	117,250
	1987	1	0	350	350
	1986	3	497,100	200	497,300

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $ LOSS
Pelly Bay	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	1	0	300	300
	1986	2	0	0	0
Pond Inlet	1990	2	210,000	75	210,075
	1989	0	0	0	0
	1988	1	179,000	0	179,000
	1987	1	10,000	0	10,000
	1986	0	0	0	0
Rankin Inlet	1990	4	750,458	8,000	758,458
	1989	1	500,000	0	500,000
	1988	1	155,000	0	155,000
	1987	1	10,000	0	10,000
	1986	3	0	0	0
Rae	1990	5	171,437	6,000	177,437
	1989	0	0	0	0
	1988	3	8,400	0	8,400
	1987	1	5,000	2,000	7,000
	1986	3	110,000	21,000	131,000
Rae Lakes	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $ LOSS
Repulse Bay	1990	0	0	0	0
	1989	0	0	0	0
	1988	1	0	1,400	1,400
	1987	0	0	0	0
	1986	1	0	500	500
Resolute Bay	1990	0	0	0	0
	1989	0	0	0	0
	1988	2	1,950,000	0	1,950,000
	1987	0	0	0	0
	1986	0	0	0	0
Sanikiluaq	1990	2	60,000	0	60,000
	1989	1	3,000	0	3,000
	1988	0	0	0	0
	1987	1	0	0	0
	1986	4	0	21,100	21,100
Sachs Harbour	1990	1	57,000	0	57,000
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	1	0	170,000	170,000
Snowdrift	1990	0	0	0	0
	1989	1	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	1	0	300	300

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $ LOSS
Snare Lake	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Spence Bay	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	1	0	0	0
Trout Lake	1990	0	0	0	0
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Tuktoyaktuk	1990	10	354,450	21,100	375,550
	1989	8	23,500	2,200	25,700
	1988	6	0	2,430	2,430
	1987	5	304,000	400	304,400
	1986	8	2,075	13,950	16,025
Whale Cove	1990	2	15,500	0	15,500
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0

FIRE LOSSES BY COMMUNITY - 1986 TO 1990

COMMUNITY	YEAR	# OF FIRES	INSURED LOSS	UNINSURED LOSS	TOTAL $$ LOSS
Wrigley	1990	1	35,000	0	35,000
	1989	0	0	0	0
	1988	0	0	0	0
	1987	0	0	0	0
	1986	0	0	0	0
Yellowknife	1990	50	1,488,90	34,825	1,522,915
	1989	47	1,617,025	80,220	1,697,245
	1988	39	470,723	25,750	496,473
	1987	35	164,877	240,350	405,227
	1986	19	127,105	23,700	150,805
Unsettled Areas	1990	1	950	0	950
	1989	0	0	0	0
	1988	2	0	165,000	165,000
	1987	0	0	0	0
	1986	0	0	0	0
Mines	1990	1	500	0	500
	1989	0	0	0	0
	1988	1	0	0	0
	1987	0	0	0	0
	1986	4	352,500	10,220	362,720

FIRE SERVICES

AKLAVIK: Hamlet — **Population: 800**

Personnel:	Pat Kasook, Fire Chief 9 Volunteer Firefighters
Equipment:	1 Triple Combination Pumper 1,000 gallon pumper
Alarm System:	3 Fire Phones Telephone activated alarm system
Water Supply:	In the winter, water is trucked and in the summer, there are four outlets for fire hoses in the water distribution system.

ARCTIC BAY: Hamlet — **Population: 554**

Personnel:	Tommy Kilabuk, Fire Chief 14 Volunteer Firefighters
Equipment:	1 - Triple combination pumper
Alarm System:	Telephone + Siren
Water Supply:	Trucked water

ARCTIC RED RIVER: Settlement — **Population: 147**

Personnel:	Noel Andre, Fire Chief 6 Volunteer Firefighters
Equipment:	1 - 1987 F-800 4x4, 1000 gal, 625 gpm
Alarm System:	Fire Siren
Water Supply:	Municipal water truck

ARVIAT: Hamlet — **Population: 1,340**

Personnel:	Joseph Kaviok, Fire Chief 24 Volunteer Firefighters
Equipment:	1 - Triple combination pumper
Alarm System:	Telephone and Community Siren
Water Supply:	Trucked water

BAKER LAKE: Hamlet — **Population: 1,100**

Personnel:	Titus Alooq, Fire Chief 21 Volunteer Firefighters
Equipment:	1 - Triple combination pumper
Alarm System:	Pagers and Community Siren
Water Supply:	Trucked water

BATHURST INLET: Settlement (Unorganized) — **Population: 16**

BAY CHIMO: Settlement (Unorganized) — **Population: 64**

BROUGHTON ISLAND: Hamlet — **Population: 473**

Personnel:	Eliyah Kopalie, Fire Chief 14 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Call boxes
Water Supply:	Trucked water

CAMBRIDGE BAY: Hamlet — **Population: 1,025**

Personnel:	John Rogers, Fire Chief Doug Crossley, Deputy Fire Chief 20 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Pull Boxes and Pagers
Water Supply:	Municipal water trucks

CAPE DORSET: Hamlet — **Population: 1,042**

Personnel:	Aningmuiq Samayualie, Fire Chief 22 Volunteer Firefighters
Equipment:	2000 gallon pumper truck
Alarm System:	Telephone + Fire Siren
Water Supply:	Municipal water trucks

CHESTERFIELD INLET: Hamlet **Population: 284**

Personnel:	Johnny Sammurtok, Fire Chief 12 Volunteer Firefighters
Equipment:	1 - 1984 1200 gallon pumper truck
Alarm System:	Telephone + Siren
Water Supply:	Trucked water

CLYDE RIVER: Hamlet **Population: 498**

Personnel:	Jayko Ashevak, Fire Chief 14 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Telephone + siren
Water Supply:	Trucked water

COLVILLE LAKE: Settlement (Unorganized) **Population: 52**

Equipment:	Fire Extinguishers

COPPERMINE: Hamlet **Population: 1,025**

Personnel:	Jerry Atatahak, Fire Chief 26 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Call boxes connected to annunciator panel in the Fire Hall
Water Supply:	Trucked water

CORAL HARBOUR: Hamlet **Population: 600**

Personnel:	Willy Nakoolak, Fire Chief 10 Volunteer Firefighters
Equipment:	1 - Triple combination pumper
Alarm System:	Community siren
Water Supply:	Trucked water

DETTAH: Settlement **Population: 136**

Personnel:	Jonas Sangris, Fire Chief
Equipment:	1 - 3/4 truck with 350LB dry chemical tank 1 - 1000 gallon water truck
Alarm System:	Telephone system hooked to Arctic Alarm via telephone

ENTERPRISE: Settlement **Population: 46**

Personnel:	John Hill, Fire Chief
Equipment:	1967 pumper, 500-750 gallon capacity 550 gpm pump Pick-up with dry chemical
Alarm System:	Telephone initiates siren
Water System:	1200 gallon water reservoir at Fire Hall

FORT FRANKLIN: Hamlet **Population: 600**

Personnel:	Joe Blondin Jr., Fire Chief 10 Volunteer Firefighters
Equipment:	1 - 1979 1000 gallon, 625 gpm triple combination pumper
Alarm System:	Seven Wescom 931
Water Supply:	1 - 1000 gallon municipal tanker 1 - 800 gallon municipal tanker

FORT GOOD HOPE: Settlement **Population: 589**

Personnel:	Wayne Kakfwi, Fire Chief Ronald Pierrot, Substitute Fire Chief 10 Volunteer Firefighters
Equipment:	Triple combination pumper, 1000 gallon, 625 gpm
Alarm System:	Call boxes and telephone
Water Supply:	Trucked water

FORT LIARD: Hamlet — **Population:** 460

Personnel:	Don Vilie, Fire Chief 12 Volunteer Firefighters
Equipment:	1978 Pumper, 840 gpm 700 gallon on fire truck 1 - 800 gallon municipal water truck 1 - 1200 gallon municipal water truck
Alarm System:	Telephone Wescom 931
Water Supply:	Trucked water

FORT MCPHERSON: Hamlet — **Population:** 710

Personnel:	Duane Debastien, Fire Chief 10 Volunteer Firefighters
Equipment:	Triple combination pumper, 1000 gallon, 625 gpm
Alarm System:	Call boxes with annunciator panel and telephone
Water Supply:	Trucked water

FORT NORMAN: Hamlet — **Population:** 365

Personnel:	Jim Wrigley, Fire Chief 9 Volunteer Firefighters
Equipment:	1 - 1980 triple combination pumper, 1000 gallon, 625 gpm 1 - 1979 back-up water truck
Alarm System:	Pager System
Water Supply:	Intake at Bear River

FORT PROVIDENCE: Hamlet — **Population:** 590

Personnel:	Robert Sanderson, Fire Chief 6 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Call boxes with annunciator panel
Water Supply:	Trucked water

FORT RESOLUTION: Settlement — **Population:** 496

Personnel:	Cecil Lafferty, Fire Chief 7 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Telephone
Water Supply:	Trucked water

FORT SIMPSON: Village — **Population:** 900

Personnel:	Gerry McCowan, Fire Chief 9 Volunteer Firefighters
Equipment:	1 - 1975 1000 gallon front pumper with hose reel 1 Back-up truck containing turn-out gear and SCBA
Alarm System:	Siren
Water Supply:	Hydrants and private water truck

FORT SMITH: Town — **Population:** 2,512

Personnel:	Frank Price, Fire Chief (Full-time) 18 Volunteer Firefighters
Equipment:	2 - Triple combination pumper
Alarm System:	Pagers
Water Supply:	Hydrants

GJOA HAVEN: Hamlet — **Population:** 742

Personnel:	Alex Ruben, Fire Chief 12 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Telephone
Water Supply:	Trucked water

GRISE FIORD: Hamlet — **Population:** 52

Personnel:	Raymond Mercredi, Fire Chief 5 Volunteer Firefighters
Equipment:	250 gpm mini pumper
Alarm System:	Telephone + Siren
Water Supply:	Trucked water

HALL BEACH: Hamlet — **Population:** 485

Personnel:	Levi Kaunak, Fire Chief 8 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Telephone
Water Supply:	Trucked water

HAY RIVER: Town — **Population:** 3,350

Personnel:	Ross Potter, Fire Chief 30 Volunteer Fire fighters
Equipment:	2 - 1050 GPM triple combination pumper 1 - 840 GPM triple combination pumper 1 - 3200 gallon tanker 2 - Ambulances Rescue Unit Pick-up truck c/w rescue equipment Rescue Boat (Summer)
Alarm System:	Telephone, Pagers - Wescom 931, automatic alarms
Water Supply:	Hydrants and trucked water

HAY RIVER INDIAN RESERVE: Reserve — **Population:** 181

Personnel:	Frank Fabian, Fire Chief 5 Volunteer Firefighters
Equipment:	Pumper
Alarm System:	Telephone
Water Supply:	Trucked water

HOLMAN: Hamlet — **Population: 335**

Personnel:	Jack Akhiatak, Fire Chief 11 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Call boxes
Water Supply:	Trucked water

IGLOOLIK: Hamlet — **Population: 1,624**

Personnel:	Koverk Kripanik, Fire Chief 12 Volunteer Firefighters
Equipment:	1200 gallon triple combination pumper
Alarm System:	6 emergency telephone
Water Supply:	Trucked water

INUVIK: Town — **Population: 2,773**

Personnel:	Gerry Ennis, Fire Chief (Full-time) Ian Orbell, Deputy Fire Chief (Volunteer) 24 Volunteer Firefighters
Equipment:	1976 - 840 gpm pumper, 700 gallon 1975 - 250 gpm tanker, 1200 gallon 1971 - 625 gpm pumper, 500 gallon 1966 - 500 gpm pumper, 500 gal Light Rescue Van Pick-up Hose Truck Fire Chief's car
Alarm System:	Pagers
Water Supply:	Hydrants, water tanker

IQALUIT: Town — **Population: 3,260**

Personnel:	Wynn Jones, Fire Chief (Full-time) Randy Smith, Deputy Chief (Full- time) 1 Station Captain (Full-time) 2 Lieutenants (Full-time) 8 Firefighters (Full-time) Richard Hamburg, Assistant Deputy Chief (Volunteer) 2 Captains (Volunteer) 2 Lieutenants (Volunteer) 20 Volunteer Firefighters
Equipment:	1 - 1988 1500 GPM triple combination pumper 1 - 1980 840 GPM triple combination pumper 2 - 1976 mini pumpers used as light rescue squad vehicles 1 - 1988 4x4 Crestline Type 1 Modular Ambulance 1 - 1980 4x4 Ambucraft Type 2 Ambulance 1 - 1988 Handi Van/Ambulance 1 - 1982 4x4 Supercab pick-up truck 1 - 1988 Yamaha 340T Snowmobile 1 - Off-road EMS Trailer/sled capsule
Alarm System:	Pagers and automatic alarms
Water Supply:	Hydrants, 4 municipal water truck

JEAN MARIE RIVER: Settlement (Unorganized) — **Population: 66**

Personnel:	Jonas Sanguez, Fire Chief

KAKISA LAKE: Settlement (Unorganized) — **Population: 29**

Equipment:	Fire Extinguishers located in buildings designated as fire stations.

LAC LA MARTRE: Hamlet — **Population: 434**

Personnel:	Alfred Nitsiza, Fire Chief
Equipment:	Triple combination pumper, 1000 gal, 625 gpm
Alarm System:	Telephone and pagers
Water Supply:	Trucked water

LAKE HARBOUR: Hamlet — **Population:** 350

Personnel:	Jamesie Kootoo, Fire Chief 18 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Six telephones
Water Supply:	Trucked water

NAHANNI BUTTE: Settlement (Unorganized) — **Population:** 87

Equipment:	Fire extinguishers

NANISIVIK: Mining Town — **Population:** 319

Personnel:	Murray Markle, Fire Chief 15 Volunteer Firefighters
Equipment:	1 - triple combination pumper - (Government owned) 1 - 2000 gal tanker (owned by Nanisivik Mines Ltd.)
Alarm System:	Telephone + Fire Siren
Water Supply:	Supplied through an above ground system of utilidors to the existing hydrants. Hydrants can be used all year round.

NORMAN WELLS: Village — **Population:** 502

Personnel:	Darrell Miller, Fire Chief Billy Ozolins, Deputy Fire Chief 9 Volunteer Firefighters
Equipment:	1 - 1983 650 gpm pumper, 500 gallon 1 - 1974 250 gpm tanker, 1700 gallon 1 - 1976 Personnel carrier
Alarm System:	Pagers
Water Supply:	Hydrants, water tankers

NORMAN WELLS: Esso Resources Fire Department

Personnel:	Garry Gratton, Fire Chief 15 Firefighters
Equipment:	1 Seagrave 1960 625 gpm midship triple combination Pumper, 500 gal tank 1 Foam Boss 1984 truck 1 3000 gal tanker with a 300 gpm pump 1 500 gal AFFF foam trailer 1 Rehab support van/command center

PANGNIRTUNG: Hamlet **Population: 1,087**

Personnel:	Tim Dialla, Fire Chief 20 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Call boxes + Siren
Water Supply:	Trucked water

PARADISE GARDENS: Settlement (Unorganized) **Population: 42**

PAULATUK: Hamlet **Population: 251**

Personnel:	Keith Dodge, Fire Chief 5 Volunteer Firefighters
Equipment:	1 - 3/4 truck with 350 lbs dry chemical mounted on the back 1 - Triple combination pumper 1 - 300 wheeled fire extinguisher
Alarm System:	Fire phone system with eight contacts
Water Supply:	Trucked water with 750 lbs gal capacity

PELLY BAY: Hamlet **Population: 394**

Personnel:	Raymond Kayasark, Fire Chief 24 Volunteer Firefighters
Equipment:	1980 Triple combination pumper
Alarm System:	None
Water Supply:	Trucked water

POND INLET: Hamlet **Population: 958**

Personnel:	Manisses Qamaniq, Fire Chief 14 Volunteer Firefighters
Equipment:	1978 - 625 gpm tanker, 1000 gallon
Alarm System:	6 Telephones with pager and automatic alarm
Water Supply:	3 Municipal water trucks

RAE: Hamlet **Population: 1,243**

Personnel:	Leon Lafferty, Fire Chief
Equipment:	Triple combination pumper
Alarm System:	Pagers
Water Supply:	Hydrants and trucked water

RAE LAKES: Settlement **Population: 240**

Personnel:	Wm. G. Norris, Fire Chief 5 volunteer firefighters
Equipment:	1 - 1989 750 GPM pumper, 1500 gallon 1 - 1987 tanker truck
Alarm System:	No fire alarm system at present
Water Supply:	Trucked water

RANKIN INLET: Hamlet **Population: 1,500**

Personnel:	Tim Ramey, Fire Chief Noah Tiktak, Deputy Fire Chief 18 Volunteer Firefighters
Equipment:	1976 - 840 gpm pumper, 750 gallon 1976 - Ambulance
Alarm System:	Pagers and Portable Radios
Water Supply:	Hydrants and trucked water

RELIANCE: Settlement (Unorganized) **Population: 11**

REPULSE BAY: Hamlet **Population: 465**

Personnel:	Levi Katokra, Fire Chief 12 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Telephone
Water Supply:	Trucked water

RESOLUTE BAY: Hamlet — **Population:** 164

Personnel:	Simon Idlout, Fire Chief 6 Volunteer Firefighters
Equipment:	Triple combination pumpers
Alarm System:	Telephone
Water Supply:	Hydrants

SACHS HARBOUR: Hamlet — **Population:** 145

Personnel:	John D. Keevik, Fire Chief Jack Gainer, Deputy Fire Chief Floyd Sydney, Deputy Fire Chief 11 Volunteer Firefighters
Equipment:	1983 Triple combination pumper, 1000 gallon 650 GPM
Alarm System:	Telephone and manual alarm
Water Supply:	Trucked water

SALT PLAINS: Settlement (Unorganized) — **Population:** 14

SANIKILUAQ: Hamlet — **Population:** 488

Personnel:	Issac Inuktaluk, Fire Chief 17 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Call boxes and telephone
Water Supply:	Trucked water

SNARE LAKE: Settlement (Unorganized) — **Population:** 126

Equipment:	Fire extinguishers

SNOWDRIFT: Settlement — **Population:** 256

Personnel:	Fire Chief - None at the moment
Equipment:	1 - 1983 Front mount pump
Alarm System:	Siren
Water Supply:	Trucked water

SPENCE BAY: Hamlet — **Population:** 364

Personnel:	Pat Lyall, Fire Chief
Equipment:	Triple combination pumper
Alarm System:	Telephone
Water Supply:	Trucked water

TROUT LAKE: Settlement (Unorganized) — **Population:** 58

Equipment:	Fire extinguishers

TUKTOYAKTUK: Hamlet — **Population:** 970

Personnel:	Robert Schmidt, Fire Chief 17 volunteer fire fighters
Equipment:	1 - 1989 1050 transverse midship pumper 1 - 1976 840 midship pumper 1 - 1981 pick-up c/w 350 LB dry chemical extinguisher
Alarm System:	Telephone interconnect complete w/ portable radios and 12 pagers
Water Supply:	Water system at industrial sites Three local water tankers min volume per vehicle at 3000 gallons

WHALE COVE: Hamlet — **Population:** 230

Personnel:	Daniel Parika, Fire Chief 8 Volunteer Firefighters
Equipment:	Triple combination pumper
Alarm System:	Community Siren
Water Supply:	Trucked water

WRIGLEY: Settlement — **Population:** 170

Personnel:	Steve Moses, Fire Chief Keith Nayally, Deputy Fire Chief 3 Volunteer Firefighters
Equipment:	1 - Triple combination pumper
Alarm System:	Telephone
Water Supply:	Trucked water

YELLOWKNIFE: City **Population:** 14,000

Personnel:	Mick Beauchamp, Fire Chief (Full-time) Mike Lowing, Deputy Fire Chief (Full-time) 15 Full-time Firefighters 25 Volunteer Firefighters
Equipment:	1 - 1986 - 1050 pumper 1 - 1981 - 1050 pumper 1 - 1976 - 1050 pumper 1 - 1976 - 100' aerial ladder 1 - 1976 - 2000 gallon water tanker 1 - 1989 - 2500 gallon water tanker 1 - 1969 Rescue truck 1 - 1980 Fire Chief's car 1 - 1982 Deputy Fire Chief's Pick-up 1 - 1990 Apparatus 1/2 Ton Van 1 - 1981 1/2 Ton Ambulance 1 - 1985 1 Ton Ambulance
Alarm System:	Pager System and Telephone
Water Supply:	Hydrants and water tanker to outlying areas

GIANT YELLOWKNIFE MINES, NORTHWEST TERRITORIES

Personnel:	Max Rivett, Fire Chief Dave Jarvis, Deputy Fire Chief 13 fire fighters
Equipment:	66 International 625 gal per minute mid-ship 4 x 4 - 350 lbs dry chemical unit Rescue van high expansion diesel foam generator (property of the Government of the Northwest Territories (GNWT)

POLARIS MINES, LITTLE CORNWALLIS ISLAND, NORTHWEST TERRITORIES

Personnel:	Don Souter, Fire Chief 20 fire fighters
Equipment:	625 Ford pumper
Alarm System:	Pagers Radio
Water Supply:	Water Distribution System
Equipment:	3/4 ton truck with 350 lbs dry chemical mounted on the back

TO: FIRE COMMISSIONER OF CANADA
LABOUR CANADA
OTTAWA, ONTARIO

NORTHWEST TERRITORIES
ANNUAL FIRE LOSS RETURN
YEAR: 1990

GENERAL INFORMATION:

Number of Fire Departments:	Full Time:	0
	Volunteer:	56
	Composite:	4
Number of Fire Fighters:	Full Time:	35
	Volunteer:	748

NORTHWEST TERRITORIES — ANNUAL FIRE LOSS RETURN — YEAR: 1990

1/ Property Class	Codes	No. of Fires	Dollar Loss	Injuries					Fatalities				
				*FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
ASSEMBLY	-												
- Theatre, Studio, Auditorium	110	0	0										
- Amusement, Recreation Place (Excludes Social, Sport Clubs)	120	1	0										
- School, College, University	130	2	300,795										
- Church, Funeral Parlour	140	1	118,765		1								
- Clubs, Social, Sport	150	1	186										
- Museum, Art Gallery, Libraries	160	2	2,100										
- Food or Beverage Establishment	170	1	230,000										
- Passenger Terminal, Station	180	0	0										
- Miscellaneous	190	1	310,000	1									
ASSEMBLY SUB TOTAL	110 - 199	9	961,846										
INSTITUTION	-												
- Prison, Jail, Reformatory	210	0	0										
- Home for Aged	220	0	0										

				Injuries					Fatalities				
1/ Property Class	Codes	No. of Fires	Dollar Loss	*FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
INSTITUTION (Cont'd)	-												
- Child Care	230	0	0										
- Hospital, Sanitarium, Clinic	240	0	0										
- Miscellaneous	290	0	0										
INSTITUTION SUB TOTAL	210 - 299	0	0										
RESIDENTIAL	-												
- One & Two Family Dwellings	310	—	—	—	—	—	—	—	—	—	—	—	—
- Urban (Pop. 1000 or more)	311-319	58	2,692,772		8		3					1	
- Rural (Pop. less than 1000)													
- Unclas. Urban/Rural													
- Apartment, Tenement, Flat	320	5	1,250		1								
- Rooming, Boarding, Lodging House, Hostel	330	0	0										
- Hotel, Inn, Lodge	340	3	324,000										
- Motor Hotel, Motel	350	0	0										
- Dormitory	360	0	0										
- Mobile Home, Trailer	370	9	191,218		1	1	1						
- Miscellaneous	390	0	0										
RESIDENTIAL SUB TOTAL	310 - 399	74	3,209,240										

1/ Property Class	Codes	No. of Fires	Dollar Loss	Injuries					Fatalities				
				FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
BUS. & PERSONAL SERVICE SUB TOTAL	410 - 499	7	171,525										
MERCANTILE SUB TOTAL	510 - 599	8	46,000										
INDUSTRIAL MANUFACTURING SUB TOTAL	610 - 699	2	14,600										
STORAGE PROPERTIES SUB TOTAL	710 - 799	15	1,624,991				3					2	
SPECIAL PROP. - TRANS. EQUIP.	-												
- Outdoor Property	810	2	900										
- Special Connecting Properties	820	Ø	Ø										
- Construction, Demolition, Vacant	830	15	499,075										
- Watercraft	840	1	Ø										
- Rail, Transport Vehicle & Equip.	850	Ø	Ø										
- Ground Transport Vehicle	860	42	440,433		1								
- Aircraft	870	Ø	Ø										
- Special Vehicles	880	3	14,000										
- Pier, Wharf	890	Ø	Ø										
SPECIAL PROPERTIES - TRANS. EQUIP. SUB TOTAL	810 - 899	63	954,408										

1/ Property Class	Codes	No. of Fires	Dollar Loss	Injuries					Fatalities				
				FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
MISCELLANEOUS PROPERTY	-												
- Laboratories	910	Ø	Ø										
- Farm Facilities (Excludes Residential)	920	Ø	Ø										
- Utilities	940	1	7,000										
- Other Miscellaneous	930 950 - 990	5	20,545		4					1			
MISC. PROPERTY SUB TOTAL	900 - 999	6	27,545										
ALL PROPERTY CLASSIFICATIONS - TOTAL		184	7,010,155	1	16	1	7			1		3	

* FF - Fire Fighters
M - Men
W - Women
C - Children
Uncl. - Unclassified

II/ Igniting Object - Source of Ignition	Codes	No. of Fires	Dollar Loss	Injuries					Fatalities				
				FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
NO IGNITING OBJECT SUB TOTAL	01	Ø	Ø										
COOKING EQUIPMENT:													
- Stove, Range Involved	02 - 05	7	151,050										
- Self Heat Appliances	06, 07 11 - 14	2	13,000										
- Warming Appliances	15, 16	Ø	Ø										
- Unclassified	18, 19	1	250										
COOKING EQUIPMENT SUB TOTAL	02 - 19	10	164,300										
HEATING EQUIPMENT:													
- Heating Units	20 - 24	17	828,225		4	1	2						
- Fireplace	25	8	27,473										
- Chimney, Flue-pipe	26 - 28	6	2,100										
- Unclassified	29	1	136,000										
HEATING EQUIPMENT SUB TOTAL	20 - 29	32	993,798										

II/ Igniting Object - Source of Ignition	Codes	No. of Fires	Dollar Loss	Injuries					Fatalities				
				FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
APPLIANCES AND EQUIPMENT:													
- Television, Radio, Stereo	31, 32	2	15,650										
- Air Conditioning, Refrigeration	35 - 37	1	120,000										
- Elect. Appliances, Equipment	33, 34, 38 39, 41-44	2	750										
- Unclassified	49	3	57,300										
APPLIANCES & EQUIPMENT SUB TOTAL	31 - 49	8	193,700										
ELECTRICAL DISTRIBUTION EQUIPMENT:													
- Electric Wiring	51, 56-57	27	1,243,474		2								
- Electric Components	52-55, 58	0	0										
- Unclassified	59	8	337,326		3								
ELECTRICAL DISTRIBUTION EQUIPMENT SUB TOTAL	51 - 59	35	1,580,800							1			
OTHER ELECTRICAL EQUIPMENT:													
- Electric Motors	61, 62	2	2,250										

II/ Igniting Object - Source of Ignition	Codes	No. of Fires	Dollar Loss	Injuries					Fatalities				
				FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
OTHER ELECTRICAL EQUIPMENT: (Cont'd)													
- Electronic Equipment	63, 64	0	0										
- Incandescent, Fluorescent Lamps	65, 66	0	0										
- Unclassified	69	0	0										
OTHER ELECTRICAL EQUIPMENT SUB TOTAL	61 - 69	2	2,250										
SMOKERS MATERIAL & OPEN FLAME:													
- Smoker's Material	71	5	30,500										
- Match, Lighter (not used with smoking) Lamp, Candle, Taper	72 - 74	34	544,206		3		2					1	
- Cutting, Welding, Various Torches	75 - 77	11	718,491										
- Hot Ashes, Embers (non-smoking material)	78	0	0										
- Unclassified	79	2	140,100										
SMOKERS MATERIAL & OPEN FLAME SUB TOTAL	71 - 79	52	1,433,297										

II/ Igniting Object - Source of Ignition	Codes	No. of Fires	Dollar Loss	Injuries					Fatalities				
				FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
EXPOSURE													
- Structures	81 - 83	Ø	Ø										
- Outside Storage Containers	84	Ø	Ø										
- Open Fire	85	2	267,000										
- Forest, Grass, Brush	86, 87	1	Ø										
- Unclassified	89	Ø	Ø										
EXPOSURE SUB TOTAL	81 - 89	3	267,000										
MISCELLANEOUS SUB TOTAL	90 - 99	11	762,622		4	3						2	
UNDETERMINED SUB TOTAL	00	31	1,612,388	1									
ALL IGNITING OBJECT CLASSIFICATIONS TOTAL		184	7,010,155	1	16	1	7			1		3	

* FF - Fire Fighters
M - Men
W - Women
C - Children
Uncl. - Unclassified

III/ Act or Omission	Codes	No. of Fires	Dollar Loss	Injuries					Fatalities				
				FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
ARSON OR OTHER SET FIRES	-												
- Arson/Suspected Arson	02 - 06	12	710,356		1								
- Other Set Fire	10-14, 19	15	84,500										
ARSON OR OTHER SET FIRES SUB TOTAL	02 - 19	27	794,856										
MISUSE OF SOURCE OF IGNITION	-												
- Smokers Material	21	5	155,100										
- Child Playing with	24	15	438,395				2					1	
- Welding, Cutting, Thawing	22, 25-26	7	515,491										
- Unclassified	20, 23, 29	13	108,700		2		3					2	
MISURE OF SOURCE OF IGNITION SUB TOTAL	20 - 29	40	1,217,686										
MISUSE OF MATERIAL IGNITED	-												
- Misuse of Flammable Liquid	31 - 34	19	918,801		1		1						
- Improper Storage or Container	35, 37-38	5	3,950		1								

III/ Act or Omission	Codes	No. of Fires	Dollar Loss	Injuries					Fatalities				
				FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
MISUSE OF MATERIAL IGNITED (Cont'd)													
- Overheated Cooking Oil, Grease, Wax	36	4	36,569										
- Unclassified	30, 39	0	0	1									
MISUSE OF MATERIAL IGNITED SUB TOTAL	30 - 39	28	959,320										
MECHANICAL, ELECTRICAL FAILURE MALFUNCTION	-												
- Failure of Part, Control or Worn Out	41-43, 46	1	500,000		2								
- Electrical Short Circuit	44	16	302,197		2	1	1						
- Unclassified	40, 49	19	820,960		3					1			
MECHANICAL, ELECTRICAL FAILURE MALFUNCTION SUB TOTAL	40 - 49	36	1,623,157										
CONSTRUCTION, DESIGN OR INSTALLATION DEFICIENCY	-												
- Design, Construction, Installation Deficiency	51 - 54	5	73,500										
- Suspect Aluminum Wiring	56	0	0										

III/ Act or Omission	Codes	No. of Fires	Dollar Loss	Injuries					Fatalities				
				FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
CONSTRUCTION, DESIGN OR INSTALLATION DEFICIENCY (Cont'd)	-												
- Suspect Copper Wiring	57	ø	ø										
- Unclassified	50, 55, 59	3	10,400										
CONSTRUCTION, DESIGN OR INSTALLATION DEFICIENCY SUB TOTAL	50 - 59	8	83,900										
MISUSE OF EQUIPMENT SUB TOTAL	60 - 69	12	382,125										
HUMAN FAILING	-												
- Asleep	71	ø	ø										
- Suspected Impairment by Alcohol, Drugs, Medication	75, 76	5	171,300		3								
- Unclassified	70, 72-74 77-79	ø	ø										
HUMAN FAILING SUB TOTAL	70 - 79	5	171,300										
VEHICLE ACCIDENT SUB TOTAL	80 - 89	ø	ø										

III/ Act or Omission		Codes	No. of Fires	Dollar Loss	Injuries					Fatalities				
					FF	M	W	C	Uncl.	FF	M	W	C	Uncl.
UNCLASSIFIED	SUB TOTAL	00 - 99	28	1,777,811	1	1								
ALL ACT OR OMISSION CLASSIFICATIONS	TOTAL		184	7,010,155	1	16	1	7			1		3	

* FF - Fire Fighters
M - Men
W - Women
C - Children
Uncl. - Unclassified

IV/ List of fires by date sequence in which the estimated loss was $500,000 or over:

LOCATION	DATE	PROPERTY/CLASSIFICATION	ACT OR OMISSION	DOLLAR LOSS	CASUALTIES	
					INJURIES	DEATHS
NORMAN WELLS	JAN. 27, 1990	RESIDENTIAL DUPLEX	GAS LEAK - EQUIPMENT FAILURE	$500,000.00	2	
RANKIN INLET	MAY 4, 1990	AIRPORT HANGAR	UNKNOWN	$750,000.00		
AKLAVIK	DEC. 30, 1990	GARAGE/OFFICE	SPILL OF FLAMMABLE LIQUID	$750,000.00		

SUBMITTED BY: LEB/CHRISTOPHER BELL

TITLE: FIRE MARSHAL

DATE: DECEMBER 31, 1990